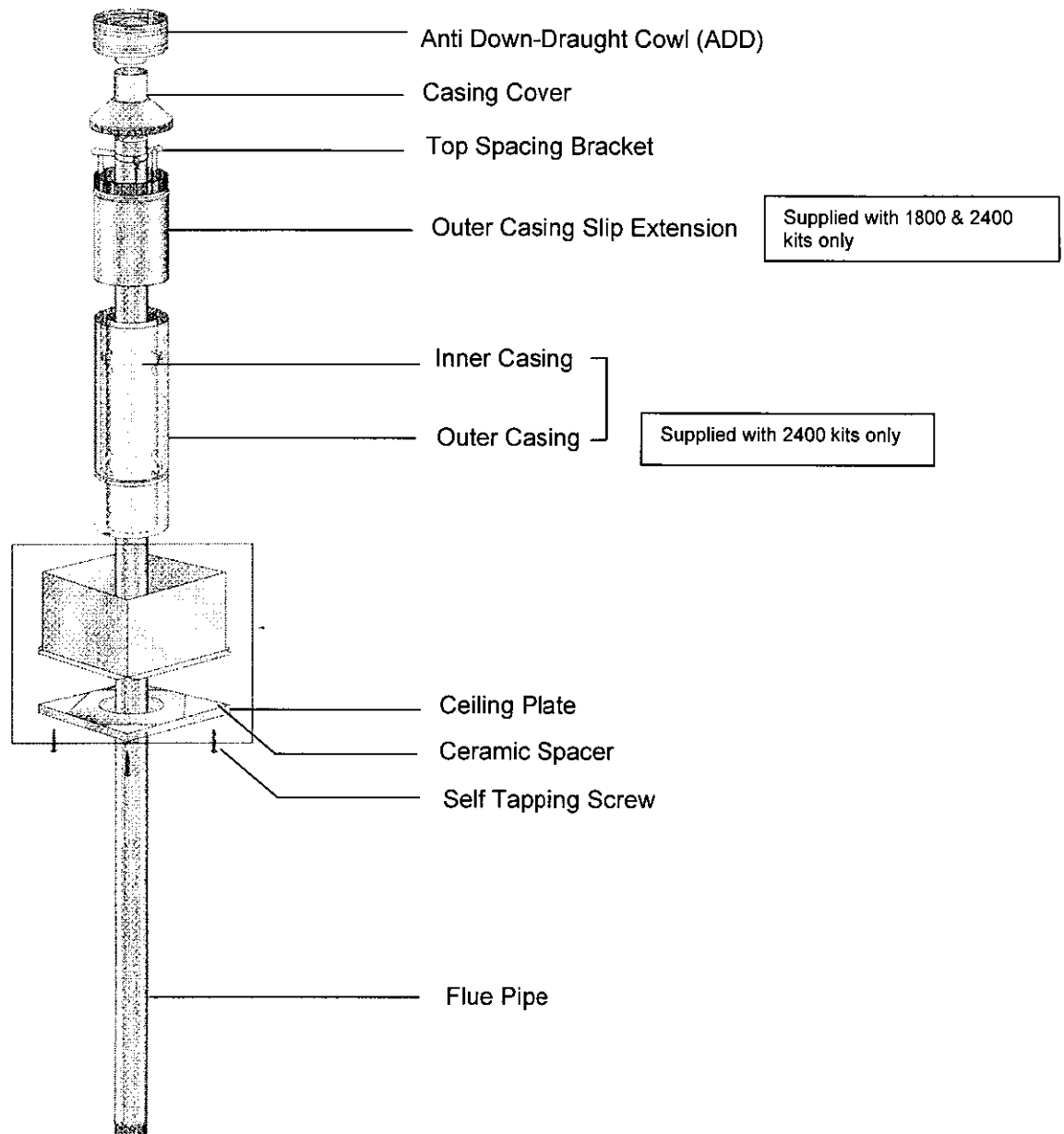




Sheetmetal Fabricated Products Ltd.

## 150mm Flue Kit with E Kit Option





Sheetmetal Fabricated Products Ltd.

## 150 MM E KIT FREE STANDING FLUE KIT INSTALLATION INSTRUCTIONS

**WARNING: THIS FLUE KIT HAS BEEN MANUFACTURED IN ACCORDANCE WITH AS/NZS 2918:2001 AND TESTED TO APPENDIX F. TO ENSURE SAFETY THIS FLUE KIT MUST BE INSTALLED AS OUTLINED IN THESE INSTRUCTIONS. WOOD FIRE AND FLUE PIPE CLEARANCES FROM COMBUSTIBLE WALLS MUST BE IN ACCORDANCE WITH WOOD FIRE MANUFACTURER'S SPECIFICATIONS AND AS/NZS 2918:2001. THESE INSTALLATION INSTRUCTIONS ARE FOR TESTED APPLIANCES ONLY.**

**CAUTION: MIXING FLUE SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.**

**CAUTION: IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE INSTALLATION OF THIS FLUE KIT COMPLIES WITH AS/NZS 2918:2001, THE APPLIANCE MANUFACTURERS SPECIFICATIONS FOR FLUE PIPE SHIELD AND CEILING PLATE AND THAT THE RELEVANT BUILDING CODES ARE ADHERED TO.**

- 1) Locate Wood Fire in its proposed position and mark a point on the ceiling that is directly above the centre of the heater's flue outlet. Check that the heater's location allows the OUTER CASING to clear all structural roof timbers.
- 2) Cut a 305mm square hole in ceiling. Directly above cut a 305mm hole in roof to accommodate OUTER CASING.
- 3) Fit timber nogs around ceiling.
- 4) Fit the square CEILING SUPPORT UNIT into the ceiling aperture securing with the screws or nails. The flange should be flush with the underside of the ceiling.
- 5) Position the OUTER/INNER CASING combination into the CEILING SUPPORT UNIT. The OUTER/INNER CASING will be 25mm above the underneath of the ceiling and protrude through the roof the required height.

Note that AS/NZS 2918:2001 4.9.1(a) states, "the FLUE PIPE shall extend not less than 4.6m above the top of the floor protector". Refer to diagram B.

- (a) If the FLUE PIPE is within 3 metres of the ridge, the FLUE PIPE must protrude at least 600mm above the ridge of the roof.
- (b) If the distance from the ridge is more than 3 metres, the FLUE PIPE must protrude at least 1000mm above roof penetration.
- (c) The FLUE PIPE must be more than 3 metres from any nearby structure. (Refer diagram C).

Additional OUTER CASING and INNER CASING may have to be added to ensure the correct roof penetration heights are obtained.

- 1) The correct minimum roof penetration height.
- 2) Sufficient overall height to encase the FLUE PIPE which must extend a minimum of 4.6 metres from the floor protector. Refer diagram B.

Note that the INNER CASING should extend 200mm above roof penetration.

**NB:** Do not secure the OUTER CASING SLIP EXTENSION onto the OUTER CASING, as final adjustment will be required when fitting cowl assembly. See Paragraph 12.

- 6) Fix an appropriate flashing around the OUTER CASING to seal onto the roofing material. Refer to the manufacturer's recommendations for correct fitting. **NB:** On iron roofs, metal angle brackets (approximately 25mm x 25mm) can be fitted under the flashing to securely fix the roof to OUTER CASING.
- 7) Drill holes in ceiling plate for the fixing screws. Place CEILING PLATE over the Wood Fire flue spigot, ensuring the folded edges are facing the ceiling.
- 8) Position bottom length of FLUE PIPE (crimped end downwards) into heater flue outlet.  
Refer to the supplier of the heater and use flue pipe sealant if recommended.
- 9) Assemble FLUE PIPES together ensuring seams are straight; offsetting the seams will ensure a neat fit. Secure each joint with 3 monel rivets equally spaced around the joint to prevent unintentional or accidental separation. FLUE PIPES must be assembled with crimped ends down (towards heater). If using HI-THERM FLUE PIPE the protective wrapping should be left on the FLUE PIPE during installation.
- 10) Place CEILING PLATE over heater flue spigot, ensuring the insulation blanket is fitted correctly.
- 11) From the roof lower FLUE PIPE through OUTER CASING into position.
- 12) Check that the FLUE PIPE SPACING BRACKETS inside the INNER CASING are correctly positioned and then from the roof slide the INNER CASING into the OUTER CASING until the brackets rest on to the internal swage ring of the OUTER CASING; this will ensure the INNER CASING is the correct 12mm above ceiling level.

Check the INNER CASING when correctly positioned extends a minimum of 200mm above the roof penetration.

**If fitting flue kit with top spacer bracket**

**OR**

**If fitting flue kit with bracketed combination casing cover:**

- a) Before securing the OUTER CASING SLIP EXTENSION to the OUTER CASING with 3 rivets, ensure the FLUE PIPE extends above the top of the OUTER CASING SLIP EXTENSION 145mm. Adjust SLIP EXTENSION to obtain this measurement.
  - b) Fit TOP SPACER BRACKET to the FLUE PIPE making sure the lugs fit snugly inside OUTER CASING SLIP EXTENSION. Make sure TOP SPACER BRACKET fits hard down onto OUTER CASING SLIP EXTENSION.
  - c) Fit CASING COVER over the FLUE PIPE and push down firmly onto TOP SPACER BRACKET.
- a) Before securing the OUTER CASING SLIP EXTENSION to the OUTER CASING with 3 rivets, ensure the FLUE PIPE is either flush with or extends above the top of the OUTER CASING SLIP EXTENSION by no more than 15mm. Adjust SLIP EXTENSION to obtain this measurement.
  - b) Push CASING COVER (with spigot inside FLUE PIPE) down onto the OUTER CASING SLIP EXTENSION. The 3 locating brackets with holes must be on the outside of the OUTER CASING SLIP EXTENSION and are secured using 3 rivets.
- 12) Fit COWL but do not secure, as removal for flue cleaning will be necessary. Deform or ovalise the stub of the COWL to ensure it is a tight friction fit.
  - 13) Fasten E-KIT CEILING PLATE to the ceiling using screws provided, no spacers are required. Remove protective plastic from CEILING PLATE.
  - 14) Leave all installation and operating instructions with the owner.

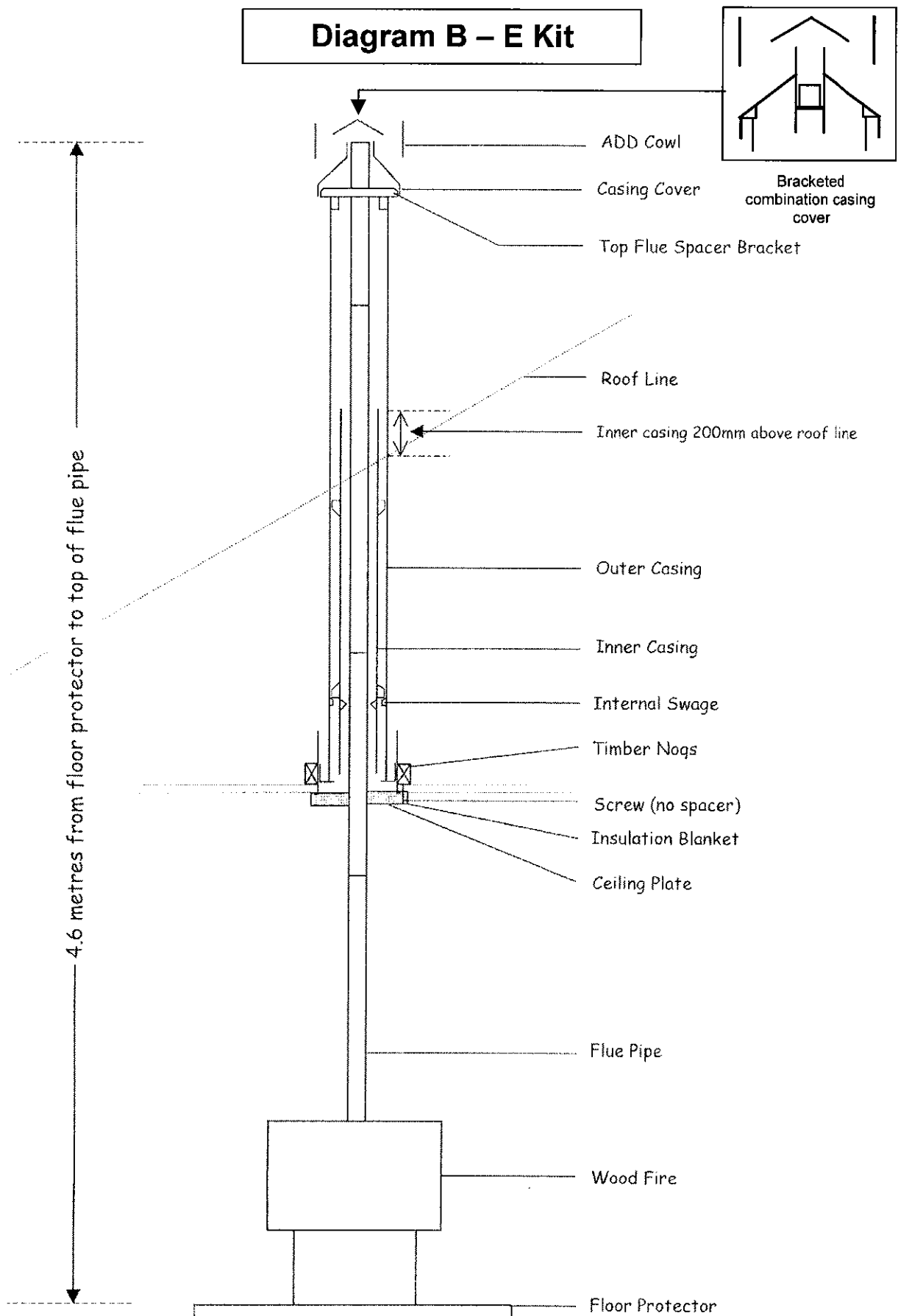
**Cleaning of Flue Pipes before lighting the fire.**

Stainless Steel pipe should be wiped clean using a soft cloth and methylated spirits to remove finger marks and oils used to manufacture the flue pipe.

Enamelled flue pipes should be wiped with a soft cloth.

Hi-Therm flue pipe can be touched up using only STOVE BRIGHT aerosol paint.

## Diagram B – E Kit



# Diagram C AS/NZS 2918:2001 pg 37

